| POSITION                  | INITIALS       | ID NO.   | . DATE  |  |  |
|---------------------------|----------------|----------|---------|--|--|
| FEE DETERMINATION         | 14th)          | 7533     |         |  |  |
| O.I.P.E. CLASSIFIER       | 1              | 4/5      | 5/00    |  |  |
| FORMALITY REVIEW          | /At.           | 875      | 9/21/22 |  |  |
| RESPONSE FORMALITY REVIEW | - <del> </del> | <u> </u> | 1100    |  |  |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | l | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

|    | C            | laim           |                |           |  |              |          | ate          |  | _            |          |                 |
|----|--------------|----------------|----------------|-----------|--|--------------|----------|--------------|--|--------------|----------|-----------------|
|    |              | 1_             | 7              | 3         | 3                                      | T            | T        | Т            | T  | Т            | T        | Т               |
|    | -            | Original       | 10/00          | 3 6       | 3                                      |              |          |              |  |              |          |                 |
|    | ü            | <u> </u>       | 1              | 36        | 1                                      |              |          |              |  |              |          |                 |
|    | ۲            | ١Ă             | *              | ,         | +                                      | +-           | +        | +            |  | +-           | +        | +               |
|    |              | 2              | 1              | -         | +                                      | +-           | ╀        | +            |  | +            | +-       | ┿-              |
|    |              | 3              |                |           | +                                      | +-           | +        | +            | +  | +            | +        | -               |
|    |              |                |                | 4         | -                                      | 4            | 4        | 4            | $\bot$   | 4            | $\perp$  | $\perp$         |
|    |              |                | Y              | H         | +                                      | 1            | +        | $\bot$       | _  | $\perp$      | _        | 4               |
|    |              |                |                | $\coprod$ | $\perp$                                | $\perp$      | 4        | $\perp$      | 4  | 1            | 4        | _               |
|    | !            | 6              | V              | 11        | $\perp$                                | ŀ            | ┸        | $\perp$      | ╧  |              |          | 1_              |
|    |              | 7              | ✓              | Ļ         | 1                                      | L            | L        |              | $\perp$  |              | L        | L               |
|    |              | 2              | 1              |           |  | L            | $\perp$  | ſ            | $\Box$   |              |          | L               |
|    |              | 9              | V              | •         | $\perp$                                | Ī            | Γ        |              | Т  |              | T        | Г               |
|    |              | 10             | 7              | 1         |  | 1            |          | T            | 1  | 1            | 7        | $\top$          |
|    |              | 11             |                | 7         |  |              | 1-       | $\top$       | 1  | †            | 1        |                 |
|    | 1            | 12             | V              | 1         | 1                                      | $^{\dagger}$ | 1        | $^{\dagger}$ | +  | $\top$       | +        | $\vdash$        |
| ٠, |              | 13             | 1              | 竹         | +                                      | +            | t        | +            | +  | +-           | +        | +-              |
| 6  | H            | 14             | 1              | ⇈         | +-                                     | $\vdash$     | +-       | +            | +  | +-           | +-       | +               |
|    |              | 15             | <b>(</b> )     | ╫         | +                                      | ╁╴           | ╁        |              | +  | +            | ╁        | +i              |
|    |              | 16             | ٧,             | ╫         | +                                      | $\vdash$     | +        | +            | +-   | +-           | +        | +               |
|    |              |                | Y,             | #         | <del> </del>                           | ⊢            | -        | +            | -  | +            | 4        | $\vdash \vdash$ |
|    |              | 17             | V,             |           | ↓_                                     | 1            | 1        | $\perp$      | $\perp$  | 1-           | 1        | $\bot$          |
|    |              | 18             | V,             | 1         | ــــــــــــــــــــــــــــــــــــــ | _            | L        | 1            | 1  | 1_           | 1_       | Ш               |
|    |              | 19             | V              |           | _                                      | L            | L        | $\perp$      |  | $\perp$      |          | $\prod$         |
|    |              | 20             | 1              | $\prod$   | 1                                      |              | Γ        |              |  | Τ            |          | П               |
| -  |              |                | Ť              | Ħ         | +=                                     | +            | T        | $\top$       | $\top$   | +-           | +        | $\vdash$        |
|    | 1.           | 21<br>22<br>23 | -              | T         | T                                      | 1            | T        | +            | $\top$   | +            | +        | +               |
|    |              | 23             | $\vdash$       | #         | 1                                      | H            | t        | +-           | +  | +-           | +        | $\vdash\vdash$  |
|    |              | 24             | -              | +         | -                                      | $\vdash$     | +-       | ╁            | +  | +            | +-       | $\vdash \vdash$ |
|    |              | <b>2</b> 3     |                | #         | +                                      | H            | $\vdash$ | +            | +-   | +            | ╁        | $\vdash$        |
|    | <b>├</b> -   | 26             | Η.             | -         | $\vdash$                               |              | ⊨        | ╁            | +-   | $\vdash$     |          | $\vdash$        |
|    | $\vdash$     |                | <u> </u>       | 1         | -                                      |              | <b> </b> | ┼            | +  | <del> </del> |          | Ш               |
|    | <u></u>      | 27             | L              | L         | <u> </u>                               | $\vdash$     | _        | ╄            | ↓  | ┞            | 1_       | Ш               |
|    | <b>—</b>     | 28             | _              |           | <u> </u>                               | L_           | L        | 1            | _  | <u> </u>     | $\perp$  | $\sqcup$        |
|    | <u></u>      | 29             |                | _         |  | L            | L        |              |  |              | L        | $\square$       |
|    | _            | 30<br>31       |                |           |  |              | L        | L            |  | L            |          |                 |
|    | =            | <b>(1)</b>     |                | 1         |  |              | Γ        | Г            | 1  | Γ            |          | П               |
|    |              | 32             |                | Ŀ         |  |              |          | Π            |  | T            |          | П               |
| _  |              | 33             |                | -         |  |              |          |              | Τ  | 1            | ⇈        | М               |
|    |              | 34             |                |           |  |              | Г        | 1            |  | 1-           | $t^-$    | Н               |
|    | _            | 35             | -              |           | Н                                      | _            |          | +-           | $\vdash$   | 1-           | $\vdash$ | H               |
|    | <u> </u>     | 36             | $\dashv$       |           | $\vdash$                               | _            |          | $\vdash$     | <del>                                     </del> | $\vdash$     | $\vdash$ | Н               |
|    | _            | 37             | $\dashv$       |           | $\vdash$                               |              |          | ├            | $\vdash$   | -            | $\vdash$ | $\dashv$        |
|    | $\vdash$     | 38             | $\dashv$       |           | $\vdash$                               | _            | $\vdash$ | $\vdash$     | ┼  | <del> </del> | $\vdash$ | H               |
|    | <del> </del> | 39             |                | -         |  |              | _        | 1            |  | $\vdash$     | -        | H               |
|    |              |                |                | _         | $\vdash$                               |              |          |              | $\vdash$   | -            |          | Н               |
|    |              | 40             | _              | _         |  | _            | _        | _            | <u> </u>   | L            | <u> </u> | $\Box$          |
|    |              | 41             | _              | [         | 1                                      |              |          | L            |  |              |          | 1               |
|    |              | 42             |                |           |  |              |          |              |  |              |          | $\Box$          |
|    |              | 43             | $\neg \dagger$ |           | $\neg$                                 |              | _        | 1            | П  | <u> </u>     |          | $\dashv$        |
|    |              | 44             | $\dashv$       | _         | ᅥ                                      | $\dashv$     |          | $\vdash$     | 1  |              | $\vdash$ | $\dashv$        |
|    | -            | 45             | +              | -         | $\dashv$                               | $\dashv$     | _        |              | $\vdash$   | -            | Н        | $\dashv$        |
| i  | $\vdash$     | 46             | -+             | $\dashv$  | -+                                     | -            | _        | $\vdash$     | -  |              |          | $\vdash$        |
|    |              | 47             | $\dashv$       |           | -+                                     | -            |          | <del> </del> |  | -            | Н        |                 |
|    |              |                | +              |           | _                                      | _            |          | H            | İ  |              | i—i      |                 |
|    |              | 48             |                |           | $\dashv$                               | _,           | _        | <u></u>      | <u> </u>   | <u> </u>     |          | _               |
|    |              | 49             | -              | _         |  |              |          | <u> </u>     | _  |              |          | _               |
| (  |              | 50             |                |           | _4                                     |              |          | <u> </u>     | <u> </u>   |              |          |                 |

| Cla           | im       |         | Date         |           |              |              |              |          |  |              |          |  |
|---------------|----------|---------|--------------|-----------|--------------|--------------|--------------|----------|--|--------------|----------|--|
| Final         | Original |         |              |           |              |              |              |          |  |              |          |  |
| ίĪ            | _        | _       | $\perp$      | 1         | - -          | $\perp$      |              | 1        | _  | ┷            | $\perp$  |  |
|               | 51       | L       | 1            | ╀         |              | $\downarrow$ | $\downarrow$ | $\perp$  | $\perp$  | _            | $\perp$  |  |
|               | 52       | L       | $\perp$      | _         | 4            | $\bot$       | 1            | _        | 1  | _            | ┵        |  |
| _             | 53       | _       | 4            | 4         | 4            | _            | _            | _        | 4  | _            | $\perp$  |  |
|               | 54<br>55 | _       | ╀            | +         | +            | +            | - -          | -        | +  | - -          | +        |  |
|               | 56       | _       | ╁            | +         | +            | +            | -            | +        | +  | ╬            | +        |  |
|               | 57       | -       | ╁            | ╁         | ╁            | +            | +-           | +        | +  | ╁            | +        |  |
|               | 58       | -       | +            | +         | +            | +-           | +            | +        | ╁  | ╁            | ╁        |  |
|               | 59       |         | T            | $\dagger$ | ╁            | ╁            | +            | +        | +-   | 十            | ╁        |  |
| _             | 60       | _       | $^{\dagger}$ | Ť         | +            | +            | +            | +        | +  | +            | +        |  |
|               | 61       |         | T            | T         | 1            | $\top$       | T            | 1        | +  | 1            | +        |  |
| $\neg$        | 62       |         | Τ            | 1         | 1            | 1            | T            | 1        | T  | +            | 1        |  |
|               | 63       |         |              |           |              |              |              | T        | Τ  | T            | T        |  |
|               | 64       |         |              |           |              | Ι            | Γ            |          |  |              |          |  |
|               | 65       |         |              |           |              | $\perp$      |              |          |  |              |          |  |
| $\rightarrow$ | 66       |         | L            | Ļ.        | $\perp$      | 1            |              |          |  |              |          |  |
| $\rightarrow$ | 67       |         | L            | ↓.        | ┸            | ┸            | 1            | _        | ┸  | 1_           | $\perp$  |  |
| _             | 68       |         | ┡            | ↓_        | $\perp$      | $\perp$      | ┸            |          | ╄  | ╙            | ┸        |  |
|               | 69       |         | ↓            | $\perp$   | 4_           | ┸            | ┸            | _        | $\perp$  | 1_           | L        |  |
|               | 70       |         |              | L         | 1_           | <u> </u>     |              | 1_       | L  | ↓_           | L        |  |
| -             | 71       |         | L            | _         | ╄            | L            | 1            | 1        | _  |              | L        |  |
| _             | 72       |         | -            | _         | ـــــ        |              | 1            | 1        | -  | ↓_           | L        |  |
| _             | 73<br>74 |         | -            | ╀         | -            | -            |              | $\perp$  | ╀_   | ╄            | L        |  |
| -             | 74<br>75 |         | ⊢            | ╀         | -            | ╄            | -            | <b>-</b> | $\vdash$   | <del> </del> | $\vdash$ |  |
| -             | 76       |         | -            | ╁         | ⊢            | ╀            | ╆            | +        | $\vdash$   | ╀            | ┝        |  |
| $\rightarrow$ | 77       |         | -            | -         | ╁            | ╁┈           | ╁╾           | ┿        | -  | ╆            | ╁        |  |
| -             | 78       | _       | H            | -         | +-           | ╁            | ╁╌           | ├-       | ╁  | ├            | ├        |  |
| -             | 79       | _       | -            | H         | +            | ╁            | ╁            | $\vdash$ | ╁  | $\vdash$     | ┝        |  |
| _             | 80       | -       |              | H         | +            | +-           | +            | +-       | <del>                                     </del> | $\vdash$     | ┢        |  |
| _             | 81       |         |              | -         | 1            | $^{\dagger}$ | t            | 1        | $\vdash$   | -            | $\vdash$ |  |
|               | 82       |         | _            | T         | $\vdash$     | t            | ┢            | $\top$   | <del> </del>                                     | ┢            | -        |  |
| 1             | 33       |         |              |           | T            |              |              | $\vdash$ | $\vdash$   | T            | -        |  |
| 8             | 34       |         |              |           |              | Г            |              | 1        |  |              | _        |  |
| 1             | 35       |         |              |           |              | Г            |              | Ι        | П  | $\vdash$     | Γ        |  |
| 8             | 36       |         |              |           |              |              |              |          |  |              |          |  |
|               | 37       |         |              |           |              |              |              |          |  |              |          |  |
| _             | 38       |         |              | L.        | _            | L            | L            |          |  |              |          |  |
|               | 39       |         |              | _         | $oxed{oxed}$ |              | L_           |          | L  | L            |          |  |
| -             | 90       |         | _            | L         |              |              | <u></u>      |          | _  |              |          |  |
| -             | )1       |         |              | L         | L            |              | L            |          |  |              |          |  |
|               | 2        |         | _            | L         |              |              |              |          |  |              |          |  |
| _             | 93       | _       | _            | L         | <u>_</u>     | L.           | _            | $\Box$   | L  |              |          |  |
|               | 94       | _       |              | L         | _            |              | L            |          | L  |              |          |  |
|               | 5        | _       |              | $\vdash$  | <u> </u>     | <u> </u>     | _            | ┞        | L  | Щ            | _        |  |
|               | 6        | 4       |              |           | _            | _            |              | <u> </u> | _  |              |          |  |
|               | 7        | 4       | _            | _         | <u> </u>     | !<br>        | _            | <u> </u> | $\vdash$   |              | _        |  |
| 18            | 8        | $\perp$ | _            |           | l            |              |              |          |  |              |          |  |

| _        |          | _ |          |  |          |              |              |          |            |          |          |
|----------|----------|---|----------|--|----------|--------------|--------------|----------|------------|----------|----------|
| C        | aim      |   |          |  |          | D            | ate          |          |            |          |          |
| Г        | T_       | Γ | Т        | T  | Т        |              | Т            | Т        | Т          | Т        | $\top$   |
| =        | ا ≝      | l |          |  |          | i            |              |          |            |          |          |
| Final    | Original |   |          |  |          |              |              |          | 1          |          |          |
| 1        | 101      | ┝ | ╫        | +-   | +        | +-           | +            | +        | ╀          | -        | +        |
| -        | 101      | L | ╀        | +  | 4        | +            | 4            | $\perp$  | 4          | 4        | 4_       |
| _        | 102      |   | 1        | _  | _        | $\perp$      | $\perp$      |          | ┸          |          |          |
|          | 103      |   |          |  |          | 1            |              |          |            |          |          |
|          | 104      |   | Τ        |  |          | T            | Т            | 7        | T          | T        | 1-       |
| Г        | 105      |   |          |  |          | Т            | 1            | T        | T          |          |          |
|          | 106      |   |          | 1  |          | $\top$       | †            | $\top$   | 1          | 1-       | +        |
|          | 107      | Т | +        | +  | +        | +-           | $^{+}$       | +-       | +          | +-       | +        |
| $\vdash$ | 108      | _ | +        | +  | +-       | ╁            | ╁            | +        | +          | +        | +        |
| -        | 109      | - | +        | +  | +        | +            | +            | +-       | +          | +        |          |
| -        | -        |   | +        |  | +        | +            | +            | +-       | +          | +        | -        |
| _        | 110      |   | ╀        | +  | $\bot$   | 4            | +            | +        | _          | $\perp$  | —        |
| _        | 111      |   | ↓_       | 1.   | $\perp$  | 4            | 1            | $\perp$  | 1          | _        | 1        |
|          | 112      |   | L        | $\perp$  | $\perp$  |              |              |          |            |          | 1        |
| L        | 113      |   | L        |  |          |              | 1            | 1        | $\Gamma$   | T        | Γ        |
|          | 114      |   | Γ        | T  | T        | 1            | T            | Τ        |            | Т        |          |
|          | 115      |   | T        | 1  | T        | 1            |              | 1-       | $\top$     | $\top$   | 1        |
|          | 116      |   | †        | $\top$   | 1        | 1            | T            | 1        | +          | +        | †        |
| <u> </u> | 117      | _ | †-       | +  | +        | +            | +            | +-       | +          | ┿        | +        |
| -        | 118      |   | ╁        | +  | ╁        | ╁            | ╁            | +-       | ╁          | +-       | +-       |
| ⊢        | 119      |   | $\vdash$ | ╁  | +-       | +            | ╁            | +-       | ╁          | +-       | +        |
|          |          |   | ├        | +  | +-       | +-           | ╀            | ┼        | ╀          | ╄        | ┶        |
|          | 120      |   | L        | ↓_   | ┸        | <u> </u>     | 1            | 丄        | _          | $\perp$  | _        |
|          | 121      |   | _        |  | L        | _            | _            |          |            | L        |          |
| L        | 122      |   |          |  |          |              | <u> </u>     |          |            |          |          |
|          | 123      |   |          |  |          | Т            | Т            | T        | П          | T        |          |
|          | 124      |   | Ī        |  | Т        | T            | 1            | 1-       | Т          |          | 1        |
|          | 125      |   |          | 1  | ⇈        | T            |              | $\top$   | $\top$     | 1 -      | 1        |
|          | 126      |   | -        | $\vdash$   | $\vdash$ | +-           | t            | T        | ┢          | 1        | $\top$   |
| Н        | 127      | _ | ✝        | $\vdash$   | T        | 1-           | +            | +        | +          | ╁╴       | $\vdash$ |
| -        | 128      | _ | H        | +  | ╁        | $\vdash$     | +            | ╁╌       | ╁          | +        | +-       |
| -        | 129      |   | ├        | +-   | -        | ╁╾           | ╁╾           | ┼        | ╁          | +        | ┼        |
|          | 130      |   | ├        | ⊢  | ┼        | -            | ┼—           | ╄        | ╄          | ┼        | -        |
|          |          |   | <u> </u> | ╀  | ╄        | ├            | ▙            | ╄        | ـ          | ╙        | ١        |
|          | 131      | _ | <u> </u> | ـــ  | _        | 丄            | _            | <u> </u> | <b> </b> _ | 上        | ļ        |
|          | 132      |   | _        | ļ  | L        | 1_           |              | ļ.,_     | <u> </u>   | <u>L</u> |          |
|          | 133      |   | _        | <u></u>  | L        | <u> </u>     | L            |          | <u> </u>   |          |          |
|          | 134      |   |          |  |          |              |              |          |            |          |          |
|          | 135      |   |          | Γ  |          |              | Π            |          |            |          |          |
|          | 136      |   |          |  | Т        | П            |              |          |            | Г        | П        |
|          | 137      |   |          | Г  |          |              | П            |          | T          |          | T        |
|          | 138      | _ |          | T  |          | <u> </u>     | <del> </del> |          | t          | i        | $\vdash$ |
| -        | 139      |   |          | <del>                                     </del> | -        | <del> </del> | $\vdash$     | $\vdash$ |            | $\vdash$ |          |
|          | 140      | _ |          | -  | -        | $\vdash$     | t            |          | ┢          | ├        | $\vdash$ |
| -        | 141      | - |          | ⊢  | ├-       | -            | ├—           | -        | ⊢          | $\vdash$ | $\vdash$ |
|          |          | _ |          | _  | <u> </u> | ļ            | <u> </u>     | _        | _          | <u> </u> | Ш        |
| 1        | 142      |   | _        | _  | L        | _            |              | <u> </u> |            | _        | Ш        |
| _        | 143      | _ | _        | L_   | L        | L.           |              | <u>L</u> | <u></u>    | L        | Ш        |
|          | 144      | _ |          | L  | L        |              | L.           | L_       |            | L        |          |
|          | 145      |   |          |  |          |              |              |          |            |          |          |
| -        | 146      |   |          |  |          |              |              |          |            | Π        | П        |
|          | 147      | 7 |          | į  | 1        | Г            |              |          |            |          | $\Box$   |
|          | 148      | 1 |          |  | _        |              | $\vdash$     |          | $\vdash$   |          | Н        |
|          | 149      | - |          | $\vdash$   | _        | _            | $\vdash$     |          |            | -        | $\vdash$ |
| -        | , 45     |   | _        | -  |          | <b> </b>     | <b></b> -    |          |            |          | Н        |

If more than 150 claims or 10 actions staple additional sheet here

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